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封面故事

既往，人们对热通道TRPV1和冷通道TRPM8感知温度的作用较为关注，但对其在非神经系统中的生物学意义并不清楚。我国流行病学调查数据分析表明，嗜辣及喜食薄荷叶的西南地区群众的心血管代谢病患病率明显低于偏爱咸食的北方群众，这引起了祝之明教授的关注，他率领团队自2004年开始围绕TRPV1和TRPM8在心血管及代谢系统的作用及机制方面开展了系统研究。研究发现，TRPV1和TRPM8广泛分布于心血管代谢器官，参与心血管代谢功能的调控，长期膳食辣椒素和薄荷醇能改善由TRPV1和TRPM8功能异常所致的代谢性心血管病。